

WELL HOPPED!












**HOP FACTORS & MERCHANTS
FROM FARM TO BREWER
SINCE 1865**

HOP VARIETY BROCHURE

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HOP VARIETY LIST

Country of Origin	Variety	Approx. Alpha	Cohumulone as % of a.a.	Characteristics	Flavour Intensity
 UNITED KINGDOM VARIETIES	ADMIRAL	14 - 16	37 - 45	Resinous, orangey, citrus	9
	ALLIANCE			Spicy, lemon, grassy	6
	ARCHER [®]	4 - 6	32 - 38	Lime, apricot, peach, floral	6
	BOADICEA	6 - 9	21 - 27	Spicy, light floral	6
	BRAMLING CROSS	5 - 8	26 - 31	Spicy, blackcurrant	8
	BULLION	8 - 11	35 - 40	Spicy, blackcurrant	8
	CASCADE UK	5 - 9	33 - 40	Lychees, floral, grapefruit	9
	CHALLENGER (see also Belgium)	5 - 9	20 - 25	Spicy, cedar, green tea	7
	CHINOOK UK	11 - 15	29 - 35	Grapefruit, citrus, pine	9
	DUCHESS			Spicy, honey, earthy	6
	EAST KENT GOLDINGS	5 - 8	26 - 32	Spicy, honey, earthy	6
	ENDEAVOUR	5 - 9	30 - 34	Blackcurrant, spicy, grapefruit	7
	EPIC	3 - 5		Spicy, lemon, grassy	6
	ERNEST	5 - 7	50 - 55	Citrus, pineapple	8
	FIRST GOLD	6 - 9	29 - 34	Orange, marmalade, spicy	6
	FLYER	9 - 12		Sherbert, citrus, liquorice	6
	FUGGLES (see also France)	4 - 7	29 - 30	Grassy, minty, earthy	6
	FUSION (Experimental Blend)	6 - 8		Citrus, spicy	7
	GODIVA [™]	6 - 9		Tangerine, gooseberry	8
	GOLDINGS (see also Belgium)	4 - 8	26 - 32	Spicy, honey, earthy	6
	INSTONE	4 - 6		Grassy, fruity, earthy	6
	JESTER [®]	7 - 9	23 - 28	Grapefruit, lychees, blackcurrant	8
	KEYWORTHS EARLY	5 - 7	30 - 35	Lemon, grapefruit	7
	KEYWORTHS MID-SEASON	5 - 8	46 - 52	Citrus, blackcurrant	7
	MINSTREL [®]	5 - 7	22 - 26	Spiced berries, orange, herbal	6
	NORTHDOWN	6 - 9	24 - 29	Spicy, cedar, pine	7
	OLICANA [®]	7 - 9		Mango, grapefruit, passionfruit	8
	PHOENIX	9 - 12	24 - 28	Molasses, chocolate, spicy	5
	PILGRIM	9 - 12	36 - 38	Spicy, cedar, honey	6
	PIONEER	9 - 12	35 - 39	Cedar, grapefruit, herbal	8
	PILOT	7 - 10	28 - 33	Lemon, spicy, marmalade	5
	PROGRESS	5 - 8	27 - 36	Spicy, honey, grassy	6
SOVEREIGN	4 - 7	22 - 30	Grassy, floral, earthy	6	
SUSSEX	4 - 7	25 - 32	Grassy, minty, earthy	5	
TARGET (see also Belgium)	9 - 12	35 - 40	Pine, cedar, liquorice	9	
WGV (see also Belgium)	5 - 8	32 - 43	Spicy, herbal, earthy	7	
 BELGIAN VARIETIES	CHALLENGER	5 - 9	20 - 25	Spicy, cedar, green tea	7
	GOLDINGS	4 - 8	26 - 32	Spicy, honey, earthy	6
	TARGET	9 - 12	35 - 40	Pine, cedar, liquorice	9
	WGV	5 - 8	32 - 43	Spicy, herbal, earthy	7
 CZECH VARIETIES	KAZBEK	5 - 8	35 - 40	Lemon, grapefruit, spicy	8
	PREMIANT	6 - 10	18 - 23	Floral, earthy, herbal	5
	SAAZ	2 - 5	23 - 26	Earthy, herbal, floral	6
	SLADEK	6 - 8	22 - 28	Floral, earthy, spicy	6
 FRENCH VARIETIES	ARAMIS	6 - 8	21 - 22	Floral, grassy	5
	BARBE ROUGE	7 - 10	24 - 28	Red fruit, strawberry, cherry	7
	BOUCLIER	7 - 9	20 - 25	Herbal, floral, grassy	4
	BREWERS GOLD (see also Germany)	5 - 9	40 - 48	Spicy, blackcurrant, lemon	8
	FRENCH FUGGLES	4 - 7	29 - 30	Grassy, minty, earthy	6
	SAVINJSKI GOLDING (see also Slovenia)	2 - 4	25 - 30	Lemon, lime, earthy	6
	MISTRAL	6 - 9	29 - 39	Pear, herbal, citrus	6
STRISSELSPALT	2 - 5	22 - 25	Herbal, floral	4	
TRISKEL	8 - 9	20 - 23	Spicy, fruity	6	
 GERMAN VARIETIES	ARIANA	9 - 13	40 - 42	Blackcurrant, peach, pear	7
	BREWERS GOLD (see also France)	5 - 9	40 - 48	Spicy, blackcurrant, lemon	8
	HALLERTAU BLANC	9 - 12	22 - 26	Floral, passionfruit, lemongrass	8
	HERKULES	16 - 20	32 - 38	Pine, spicy, black pepper	8
	HERSBRUCKER	2 - 4	17 - 25	Floral, herbal	6
	HUELL MELON	6 - 8	25 - 28	Melon, apricot, strawberry	7
	MAGNUM (see also Poland)	11 - 15	21 - 29	Resinous, herbal, pine	8
	MANDARINA BAVARIA	8.5 - 10.5	33	Tangerine, fruity, sweet	7
	MITTELFRUH	3 - 6	18 - 28	Herbal, floral, grassy	6
	NORTHERN BREWER	5 - 9	27 - 32	Spicy, resinous, herbal	6
	OPAL	5 - 8	15 - 17	Spicy, pepper, citrus	5
	PERLE	6 - 9	29 - 35	Spicy, cedar, orange	7
	POLARIS	19 - 23	22 - 28	Spicy, pine, mint	6
	SAPHIR	2 - 4.5	12 - 17	Floral, herbal	5
	SELECT	2 - 5	21 - 27	Herbal, floral, earthy	5
	SPALT	2 - 5	21 - 27	Herbal, floral, earthy	5
	TAURUS	15 - 17	20 - 25	Herbal, pepper, floral	6
	TETTANG	4 - 7	22 - 28	Earthy, herbal, floral	5
	TRADITION (see also Poland)	4 - 7	24 - 30	Herbal, floral, grassy	5
	 POLISH VARIETIES	CHINOOK (see also UK & Slovenia)	11 - 15	29 - 35	Grapefruit, citrus, pine
JUNGA		10 - 13	29 - 34	Blackcurrant, spicy, grapefruit	8
LUBELSKI		3 - 5	25 - 28	Herbal, earthy, floral	5
MAGNAT		11 - 16		Herbal, pine	8
MAGNUM (see also Germany)		11 - 15	21 - 29	Resinous, herbal, pine	8
MARYNKA		8 - 10	26 - 33	Floral, resinous, herbal	6
PERLE (see also Germany)		6 - 9	29 - 35	Spicy, cedar, orange	7
PULAWSKI		8 - 11		Herbal, fruity	7
SYBILLA		6 - 8	26 - 31	Lemon, pine, floral	7
TRADITION (see also Germany)	4 - 7	24 - 30	Herbal, floral, grassy	5	

 SLOVENIAN VARIETIES	ATLAS	5 - 9	36 - 38	Lime, floral, pine	6
	AURORA	5 - 9	23 - 28	Lime, floral, pine	6
	BOBEK	2 - 5	27 - 31	Pine, lemon, floral	7
	BRAMLING CROSS (see also UK)	5 - 8	26 - 31	Spicy, blackcurrant	8
	CASCADE (see also UK & Poland)	5 - 9	33 - 40	Lychees, floral, grapefruit	9
	CELEIA (Styrian Golding)	2 - 5	26 - 29	Lemon, lime, floral	7
	CHINOOK (see also Poland & UK)	11 - 15	29 - 35	Grapefruit, citrus, pine	9
	DANA	9 - 13	28 - 31	Lemon, pine, floral	8
	EUREKA (not to be confused with US Eureka!)	11 - 17	21 - 25	Red berry, geranium, quince	6
	SAVINJSKI GOLDING (see also France)	2 - 4	25 - 30	Lemon, lime, earthy	6
	STYRIAN CARDINAL (30/96)	8 - 10	31 - 37	Citrus, pineapple, lime	8
	STYRIAN DRAGON (105/220)	6 - 11	23 - 24	Grapefruit, lemon, rose	8
	STYRIAN EAGLE	12 - 17	20 - 23	Red berry, pine, pepper	7
	STYRIAN FOX (102/44)	6 - 12	26 - 30	Blackcurrant, lemongrass, marjoram	8
	STYRIAN KOLIBRI (214/61)	4 - 6	21 - 25	Blackcurrant, blueberry, pineapple	8
STYRIAN WOLF (74/134)	13 - 18	22 - 23	Passionfruit, mango, lemongrass	8	
 NEW ZEALAND VARIETIES	TAIHEKE (formerly known as Cascade)	5 - 9	33 - 40	Lychees, floral, grapefruit	9
	CHINOOK NZ	11 - 15	29 - 35	Grapefruit, citrus, pine	9
	DR RUDI	11 - 14	36 - 39	Lemongrass, pine needles, grassy	8
	GREEN BULLET	10 - 13	41 - 43	Pine, raisin, black pepper	7
	KOHATU	5 - 7	18 - 23	Floral, pine needles, tropical fruit	9
	MOTUEKA	5 - 8	25 - 35	Lemon, lime, floral	8
	NELSON SAUVIN	10 - 13	22 - 26	Gooseberry, grapefruit	9
	ORBIT (Experimental Blend)	4 - 10		Citrus, pine, resin	8
	PACIFICA	4 - 8	23 - 27	Herbal, orange, citrus	6
	PACIFIC GEM	13 - 18	37 - 40	Blackberry, oak, pine	7
	PACIFIC JADE	12 - 14	22 - 26	Herbal, lemon zest, black pepper	8
	RAKAU	10 - 12	24 - 28	Tropical fruit, passionfruit, pine needles	9
	SOUTHERN CROSS	11 - 14	25 - 28	Lemon peel, pine needles	7
	STICKLEBRACKT	12 - 15	35 - 40	Pine, lemon, resinous	7
	WAI-ITI	2 - 4	23 - 28	Mandarin, lemon, lime zest	6
	WAIMEA	16 - 19	22 - 24	Tangerine, citrus, pine needles	9
	WAKATU	7 - 10	28 - 30	Vanilla, floral, lime	7
	WILLAMETTE	4 - 7	30 - 35	Blackcurrant, spicy, floral	6
	 AMERICAN VARIETIES	AHTANUM™	5 - 8	30 - 35	Floral, citrus, lemon
AMARILLO®		7 - 11	21 - 24	Floral, citrus, orange	9
APOLLO		15 - 19	24 - 28	Resinous, strong herbal	8
AZACCA™		14 - 16	38 - 45	Citrus, mango, pine	8
BELMA		9 - 12		Strawberry, orange, melon	6
BRAVO		14 - 18	29 - 34	Resinous, pine, plum	8
CALYPSO		11 - 14	40 - 42	Pear, apple, peach	9
CASCADE		5 - 9	33 - 40	Lychees, floral, grapefruit	9
CASHMERE		7 - 10	22 - 24	Herbal, lemon, lime, melon	7
CENTENNIAL		7 - 12	29 - 30	Lemon, herbal, resinous	9
CHINOOK		11 - 15	29 - 35	Grapefruit, citrus, pine	9
CITRA®		11 - 14	22 - 24	Mango, tropical fruit, lime	9
CLUSTER		6 - 9	37 - 43	Blackberry, spicy	6
COLUMBUS		14 - 20	28 - 32	Sherbert, black pepper, liquorice	9
COMET		9 - 11	40 - 45	Grapefruit, spicy	8
CRYSTAL		3 - 6	20 - 26	Tangerine, citrus	6
DELTA		4 - 7	22 - 24	Pineapple, pear	5
EL DORADO®		13 - 17	28 - 33	Apricot, peaches	6
EKUANOT™		13 - 16	31 - 36	Citrus, tropical fruit, herbal	8
EUREKA! (not to be confused with Slovenian Eureka)		17 - 20	28 - 30	Blackcurrant, dark fruits, herbal, pine	9
GALENA		10 - 14	36 - 40	Blackcurrant, spicy, grapefruit	6
IDAHO 7		9 - 12	30 - 40	Tropical fruit, citrus, pine	7
JARRYLO®		15 - 17	34 - 37	Banana, pear, orange, spicy	7
LEMONDROP		5 - 7	28 - 34	Lemon, mint, green tea, slightly melon	7
LIBERTY		3 - 5	24 - 30	Spicy, lemon, citrus	6
MOSAIC®		10 - 14	24 - 26	Tropical fruit, blueberry, citrus	9
MOUNT HOOD		4 - 7	21 - 23	Herbal, grapefruit	6
NUGGET		10 - 14	22 - 30	Spicy, pear, peach	6
PEKKO		14 - 16	27 - 30	Floral, melon, pineapple	8
SIMCOE®		11 - 15	15 - 20	Pine, grapefruit, passionfruit	9
SORACHI ACE	10 - 14	20 - 26	Lemon, coconut	7	
STERLING	5 - 9	22 - 28	Lemon, pineapple, spicy	6	
SUMMIT™	13 - 15	26 - 33	Pink grapefruit, orange	8	
TETTNANG	4 - 7	22 - 28	Earthy, herbal, floral	5	
WARRIOR®	13 - 15	22 - 26	Resinous, herbal, pine	6	
WILLAMETTE	4 - 7	30 - 35	Blackcurrant, spicy, floral	6	

ORGANIC VARIETIES	 BELGIUM	Cascade, Challenger, Fuggles, Goldings, WGV
	 CZECH REPUBLIC	Saaz, Premiant
	 GERMANY	Brewers Gold, Hallertau Blanc, Hersbrucker, Magnum, Mandarina Bavaria, Mittelfruh, Opal, Perle, Polaris, Saphir, Spalt Select, Smaragd, Tradition
	 POLAND	Cascade, Magnat, Magnum, Marynka, Pulawski, Sybilla
	 NEW ZEALAND	Cascade, Motueka, Nelson Sauvin, Pacific Gem, Rakau, Wakatu
	 UNITED KINGDOM (UK)	Boadicea, Challenger, First Gold, Fuggles, Goldings, Northdown, Pilgrim, Sovereign, Target
	 UNITED STATES (USA)	Ahtanum™, Azacca™, Cascade, Chinook, Citra®, El Dorado®, Jarrylo™, Palisade®, Simcoe®, Sterling

Charles Faram strongly recommends forward contracting your hops so we offer a forward contract service that allows you to order secured stock throughout the year. Visit www.charlesfaram.co.uk for more details.



CHARLES FARAM HOP VARIETIES



ARCHER®



Lime, Apricot, Peach, Floral

The aroma and flavour of a hop helps the brewer to select the varieties to use in each style of beer.



Alpha % 4-6

Alpha acid is the measurement brewers use to calculate the amount of hops needed to achieve their target bitterness.



Cohumulone % (one of the main alpha acids): 32-38

Low Cohumulone generally gives a smoother bitterness. High Cohumulone is a crisper, sharper bitterness.



JESTER®



Grapefruit, Lychees, Blackcurrant

The aroma and flavour of a hop helps the brewer to select the varieties to use in each style of beer.



Alpha % 7-9

Alpha acid is the measurement brewers use to calculate the amount of hops needed to achieve their target bitterness.



Cohumulone % (one of the main alpha acids): 23-28

Low Cohumulone generally gives a smoother bitterness. High Cohumulone is a crisper, sharper bitterness.



MINSTREL®



Spiced berries, Orange, Herbal

The aroma and flavour of a hop helps the brewer to select the varieties to use in each style of beer.



Alpha % 5-7

Alpha acid is the measurement brewers use to calculate the amount of hops needed to achieve their target bitterness.



Cohumulone % (one of the main alpha acids): 22-26

Low Cohumulone generally gives a smoother bitterness. High Cohumulone is a crisper, sharper bitterness.



OLICANA®



Mango, Grapefruit, Passionfruit

The aroma and flavour of a hop helps the brewer to select the varieties to use in each style of beer.



Alpha % 7-9

Alpha acid is the measurement brewers use to calculate the amount of hops needed to achieve their target bitterness.



Cohumulone % (one of the main alpha acids): 28-32

Low Cohumulone generally gives a smoother bitterness. High Cohumulone is a crisper, sharper bitterness.

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HOP FACTORS & MERCHANTS SINCE 1865

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